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Volume 11 Number 5

TECHNICAL TRANSLATIONS

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TECHNICAL TRANSLATIONS

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OFFICE OF TECHNICAL SERVICES
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References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

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P. O. Box 46354
Hollywood,
California 90046

AGI
AGI Translations Office
American Geological Institute
2101 Constitution Ave., N. W.
Washington, D.C. 20000

AGS
American Geographical Society
Broadway at 156th Street
New York, New York 10032

AGU
American Geophysical Union
1515 Massachusetts Ave., N.W.
Washington, D.C. 20005

AIAA
American Institute of Aeronautics and Astronautics
500 Fifth Avenue
New York, New York 10036

AIBS
American Institute of Biological Sciences
2000 P Street, N.W.
Washington, D.C. 20006

AIP
American Institute of Physics
335 East 45th Street
New York, New York 10017

AIS
Argus Information Service
624 N. Eutaw Street
Baltimore, Maryland 21201

AM
Acta Metallurgica
122 East 55th Street
New York, New York 10022

ANSP
Academy of Natural Sciences of Philadelphia
19th St. and the Parkway
Philadelphia, Pennsylvania 19103

API
Academic Press, Inc.
111 Fifth Ave.,
New York, New York 10003

ARS
American Rocket Society, Inc.
20th and Northampton Streets
Easton, Pennsylvania 18042

ATS
Associated Technical Services, Inc.
P. O. Box 271
East Orange, New Jersey 07017

BGIRA
British Glass Industry Research Association
Northumberland Road
Sheffield 10, England

BIHR
Circulation Manager
Translations of the Beltone Institute for Hearing Research
2900 West 36th Street
Chicago, Illinois 60632

BISI
British Iron & Steel Industry Translation Service
The Iron and Steel Institute
4, Grosvenor Gardens
London, S.W. 1, England

BWRA
British Welding Research Association
Abington Hall, Abington
Cambridge, England

CB
Consultants Bureau Enterprises Inc.
227 West 17th Street
New York, New York 10011

CCT
Consultants Custom Translations Inc.
227 West 17th Street
New York, New York 10011

CHP
Cleaver-Hume Press, Ltd.
31, Wright's Lane
London, W. 8, England

CID
Centro de Informacion y Documentacion
Patronato Juan de la Cierva,
Serrano 150, Apartado 743,
Madrid 6, Spain

CIDNT
Centralny Instytut Dokumentacji Naukowo-Technicznej
Warszawa 12
Aleja Niepodleglosci 188
Poland

CNP
Comitato Nazionale per la Produttivita
Service d'Information
Viale Regina Margherita N. 83D
Rome, Italy

CNRS
Centre National de la Recherche Scientifique
Centre de Documentation
15 Quai Anatole France
Paris 7, France

CSIRO
Commonwealth Scientific and Industrial Research Organization
Information Service
314 Albert Street
East Melbourne C. 2, Victoria
Australia

CTRA
The Librarian
The Coal Tar Research Association
Oxford Road
Gomersal, Leeds, England

CTS (Chem)
Chemical Translating Service
2243 Greer Road
Palo Alto, California 94300

CTT
Columbia Technical Translations
5 Vermont Avenue
White Plains, New York 10600

DI
Circulation Unit
Department of the Interior
Central Library
Room 1149
Washington, D.C. 20240

DTC
Danish Translations Centre,
c/o Library of the Danish Atomic Energy Commission,
Riso. Roskilde, Denmark

EIS
Engineering Information Services
Kirkham, Preston, Lancashire,
England

ES
Erica Stux
584 Moreley Avenue
Akron, Ohio 44320

ETC
European Translations Centre
Coelenstraat 101, Delft,
The Netherlands

FASEB
Federation of American Societies for Experimental Biology
9650 Wisconsin Avenue
Washington, D.C. 20014

FRI
Fulmer Research Institute, Ltd.
Stoke Poges,
Buckinghamshire,
England

FT
Faraday Translations
15 Park Row
New York, New York 10038

GB
Gordon and Breach
Publishers, Inc.
150 Fifth Avenue
New York, New York 10011

GPO
Superintendent of Documents
Government Printing Office
Washington, D.C. 20402

GPRC
Geophysical & Polar Research Center
6021 S. Highland Road
Madison, Wisconsin 53706

HB
Henry Brutcher
P.O. Box 157
Altadena, California 91001

HMSO
Her Majesty's Stationery Office
P. O. Box 569
London, S.E. 1, England

HTCBN
Hungarian Trading Company for Books and Newspapers "Kultura"
Budapest 62, P.O. Box 149

ICE
International Chemical Engineering
345 East 47th Street
New York, New York 10017

IEEE
Institute of Electrical & Electronics Engineers
275 Madison Avenue
New York, New York 10016

INFOSERV
Infoserv
P. O. Box 217
West Hartford, Conn. 06097

INT
International Patent Service N.V.
P. O. Box 101
's-Hertogenbosch,
The Netherlands

IP
Interscience Publishers, Inc.
250 Fifth Avenue
New York, New York 10001

IPST
Israel Program for Scientific Translation
14 Shammai Street
P.O. Box 7145
Jerusalem, Israel

ISA
Instrument Society of America
530 William Penn Place
Pittsburgh, Pennsylvania 15219

K-H
Kresge-Hooker Science Library Associates
Wayne State University
Detroit, Michigan 48202

LAND-AIR
Land-Air. Inc.
Pacific Missile Range
Point Mugu, California 95468

LC
Photoduplication Service
Publication Board Project
Library of Congress
Washington, D.C. 20540

LSA
Literature Service Associates
Route 1
Bound Brook, New Jersey 08805

MACL
Maclaren and Sons, Ltd.
Maclaren House
131 Great Suffolk Street
London, S.E. 1, England

MACM
Macmillan Co.
60 Fifth Avenue
New York, New York 10011

MDF
Morris D. Friedman
7553 Waterford Drive
San Jose, California 95129

MT
M. de O. Tollemache
Pennyford Cottage,
Burrington,
Umberleigh, Devon, England

MUL
Mulholland Engineering Translations
26 Burton Woods Lane
Cincinnati, Ohio 45229

NASA
National Aeronautics and Space Administration
1520 H Street, N.W.
Washington, D.C. 20546

NRCC
National Research Council
Library
Ottawa 2, Canada

OB
Oliver & Boyd, Ltd.
Tweeddale Court
14 High Street
Edinburgh 1, Scotland

OSA
Optical Society of America, Inc.
33 University Road
Cambridge, Massachusetts 02138

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PERA
The Information Manager
Production Engineering Research Association
Melton Mowbray
Leicestershire, England

PLP
Plenum Press, Inc.
227 West 17th Street
New York, New York 10011

PP
Pergamon Press
122 East 55th Street
New York, New York 10022

PS
Primary Sources
11 Bleecker Street
New York, New York 10012

RIA
Research International Associates
1522 Connecticut Avenue, N.W.
Washington, D.C. 20006

RIS
Research Information Service
Div. of Maxwell Scientific International, Inc.
122 East 55th Street
New York, New York 10022

RIS
Research Information Service
Div. of Pergamon International Corp.
122 East 55th Street
New York, New York 10022

SA
Seizaburo Aoki
1069 Minami Nakadori 2-chome
Fujisawa, Japan

SIAM
Business Manager
SIAM Publications
Box 7541
Philadelphia, Pennsylvania 19100

SIC
Scientific Information Consultants Limited
661 Finchley Road
London N. W. 2, England

SLA
SLA Translations Center
The John Crerar Library
35 West 33rd Street
Chicago, Illinois 60616

ST
Scripta Technica, Inc.
1000 Vermont Avenue, N.W.
Washington, D.C. 20005

STS
Scientific Translation Service
1938 Verdugo Knolls Drive
Glendale, California 91200

STT
SCIENTECH, Scientific & Technical Translations
P. O. Box 3530
Cleveland, Ohio 44118

TF
Taylor and Francis Ltd.
Red Lion Court, Fleet Street
London, E. C. 4, England

TDL
Mr. John Wiley
Technical Development Laboratories
P. O. Box 769
Savannah, Georgia 31400

TIB
Technische
Informationsbibliothek
Am Welfengarten 1,
Hannover, West Germany

TIC
Technical Information Company
Patents Department
Chancery House
Chancery Lane
London, W.C. 2, England

TTIS
Translation & Technical Information Services
32 Manaton Road
London, S. E. 15, England

WBI
Warren Birkenhead, Inc.
901 Northern Life Tower
Seattle, Washington 98101
or
No. 25, 2-Chome, Shiba Hamamatsu-Cho
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Order from OTS $0.75 TT-64-21098

Consists of abstracts of articles from the scientific and technical journals of East Germany and Rumania.

AGRICULTURE

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E. Strassburger and D. Brzostowska, trs. 1963, 182p 24refs PL-480 Agr.
Order from OTS $1.75 TT-60-21569

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Separate entries have been prepared for the individual articles.

USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY NO. 100. 27 Nov 63, 12p JPRS: 22063.
Order from OTS $0.50 TT-63-41248

Trans. of 30 selected short articles from Sep-Nov 63 issues of 19 Russian journals and newspapers.

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Order from OTS $0.50 TT-64-21120

Trans. of 5 selected articles from Oct-Nov 63 issues of various Russian language publications. (Abstract available)

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USE OF SOLAR ENERGY IN AGRICULTURE (Solnechnuyu Energiyu: Na Sluzhbu Sel'skomu Khozyaistvu). 1963, 4p PL-480 Agr.
Order from OTS $0.50 TT-63-11055

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Animal Husbandry

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Bernacki, H.
THE PROBLEM OF PLOWING SPEED (Zagadnienie Predkosci Orki). 1963, 22p PL-480 Agr.
Order from OTS $1.75 in TT-60-21569 (p. 80-101)

Trans. of Roczniki Nauk Rolniczych. Seria C: [Mechanizacji] (Poland) 1958, v. 67, no. 3, p. 357-381.

Bernacki, H.
THE PROBLEM OF STABILITY OF MOUNTED IMPLEMENTS (Zagadnienia Statecznosci Narzedzi Zawieszanych). 1963, 81p 17refs PL-480 Agr.
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Order from OTS $0.50 TT-63-41021

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TECHNOLOGICAL AND CONSTRUCTIONAL PROBLEMS CONCERNING MECHANIZED HARVESTING OF SUGAR BEETS (Zagadnienia Technologiczne i Konstrukcyjne z Dziedziny Mechanicznego Zbioru Burakow Cukrowych). 1963, 79p 7refs PL-480 Agr.
Order from OTS $1.75 in TT-60-21569 (p. 1-79)

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Peruanskii, Yu. V. and Myusov, I. N.
ON THE BIOCHEMISTRY OF PIRICULARIA ORYZAE (K Biokhimii Piricularia Oryzae). 24 Oct 63, 6p 6refs
Trans. A-1408.
Order from OTS, SLA, or ETC $1.10 TT-63-24171

Trans. of Vestnik Sel'skhozyaistvennoi Nauki, Alma-Ata (USSR) 1963, v. 6, no. 3, p. 39-43. (Abstract available)

Savescu, A.
BIOLOGIC CONTROL OF PLANT DISEASES AND PESTS. 7 Nov 63, 3p JPRS: 21782.
Order from OTS $0.50 TT-63-41094

Trans. of Agricultura Socialista (Rumania) 1963, v. 1, no. 36, p. 8.

Timofeev, V. P.
ON THE THEORY OF FOREST IMPROVEMENT CUTTINGS (K Teorii Rubok Ukhoda za Lesom). 1963, 20p 24refs PL-480 Agr.
Order from OTS $0.50 TT-63-11026

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ASTRONOMY

ASTROMETRICAL CONFERENCE OF THE USSR (NO. 14) KIEV, 27-30 MAY 58. TRANSACTIONS. 10 Oct 63 [667p] FTD-TT-62-959.
Order from OTS, SLA, or ETC $28.50 TT-64-13176

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THE EFFECT OF WIND ON THE RESULTS OF AN ASTRONOMICAL TIME DETERMINATION. 10 Oct 63, 7p 6refs FTD-TT-62-959 (p. 519-525).
Order from OTS, SLA, or ETC $28.50 in TT-64-13176 (p. 519-525)

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Aksent'eva, Z. N.
THE WORK OF THE POLTAVA GRAVIMETRICAL OBSERVATORY OF THE ACADEMY OF SCIENCES OF THE UKRAINIAN SSR, 1 DEC 55-1 MAY 59. 10 Oct 63, 8p FTD-TT-62-959 (p. 64-71).
Order from OTS, SLA, or ETC $28.50 in TT-64-13176 (p. 64-71)

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Electrical and Electronic Engineering

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Separate entries have been prepared for 11 articles.

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Order from OTS $2.75 in TT-63-41301 (p. 74-75)

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SERIES K-VIU OUTDOOR POWER DISTRIBUTION ASSEMBLY INSTALLATIONS. 5 Dec 63, 8p JPRS: 22153.
Order from OTS $2.75 in TT-63-41301 (p. 26-33)

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Basic technical features are given.

UNATTENDED REPEATER STATION EMPLOYING SEMICONDUCTOR TRIODES. 6 Dec 63, 3p JPRS: 22174 (p. 1-3)
Order from OTS $2.75 in TT-63-41308 (p. 1-3)

Trans. of Vestnik Svyazi (USSR) 1963 [v. 23] no. 9(282) front cover.

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Order from OTS $2.75 TT-63-41301

Consists of 53 articles from Aug-Oct 63 issues of Russian journals and newspapers.
Separate entries have been prepared for 7 articles.

USSR SCIENTIFIC ABSTRACTS: ELECTRONICS AND ENGINEERING NO. 6. 18 Dec 63, 45p JPRS: 22365.
Order from OTS $1.25 TT-64-21063

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Ageev, I. Z.
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Order from OTS, SLA, or ETC $1.60 TT-63-24310

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Order from OTS $0.50 TT-63-41299

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Order from OTS $0.50 TT-64-21053

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Order from OTS $2.75 in TT-63-41308 (p. 14-20)

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Glutsyuk, A. M., Kontorovich, V. M., and Chernyak, G. E.
ON THE THEORY OF A QUANTUM TRAVELING-WAVE AMPLIFIER L. J. Holtschlag, tr. 10 Sep 63, 19p 15refs APL/JHU TG 230-T393.
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Order from OTS, SLA, or ETC $1.10 TT-63-24223

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Order from OTS, SLA, or ETC $1.10 TT-63-24224

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Mechanical Engineering

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Order from OTS $0.75 TT-63-41332

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Ordnance, Missiles, and Satellite Vehicles

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Order from OTS, SLA, or ETC $1.10 TT-63-24329

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Order from OTS, SLA, or ETC $1.10 TT-63-24299

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Order from OTS $1.25 in TT-64-21129 (p. 25)

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NEW STEELS. 26 Dec 63, 2p JPRS: 22467 Ip. 11-12)
Order from OTS $1.25 in TT-64-21129 (p. 11-12)

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Order from OTS $1.75 TT-63-41292

Consists of 17 articles from 1963 issues of Russian journals and newspapers.
Separate entries have been prepared for 7 articles.

USSR INDUSTRIAL DEVELOPMENT: SOVIET FERROUS METALLURGY NO. 165. 26 Dec 63, 43p JPRS: 22467.
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Order from OTS $1.75 in TT-63-41292 (p. 37-38)

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Order from BISI £6 10s BISI-3442

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Order from BISI £3 10s BISI-3409

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Light Metals

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Order from OTS $0.75 TT-64-21147

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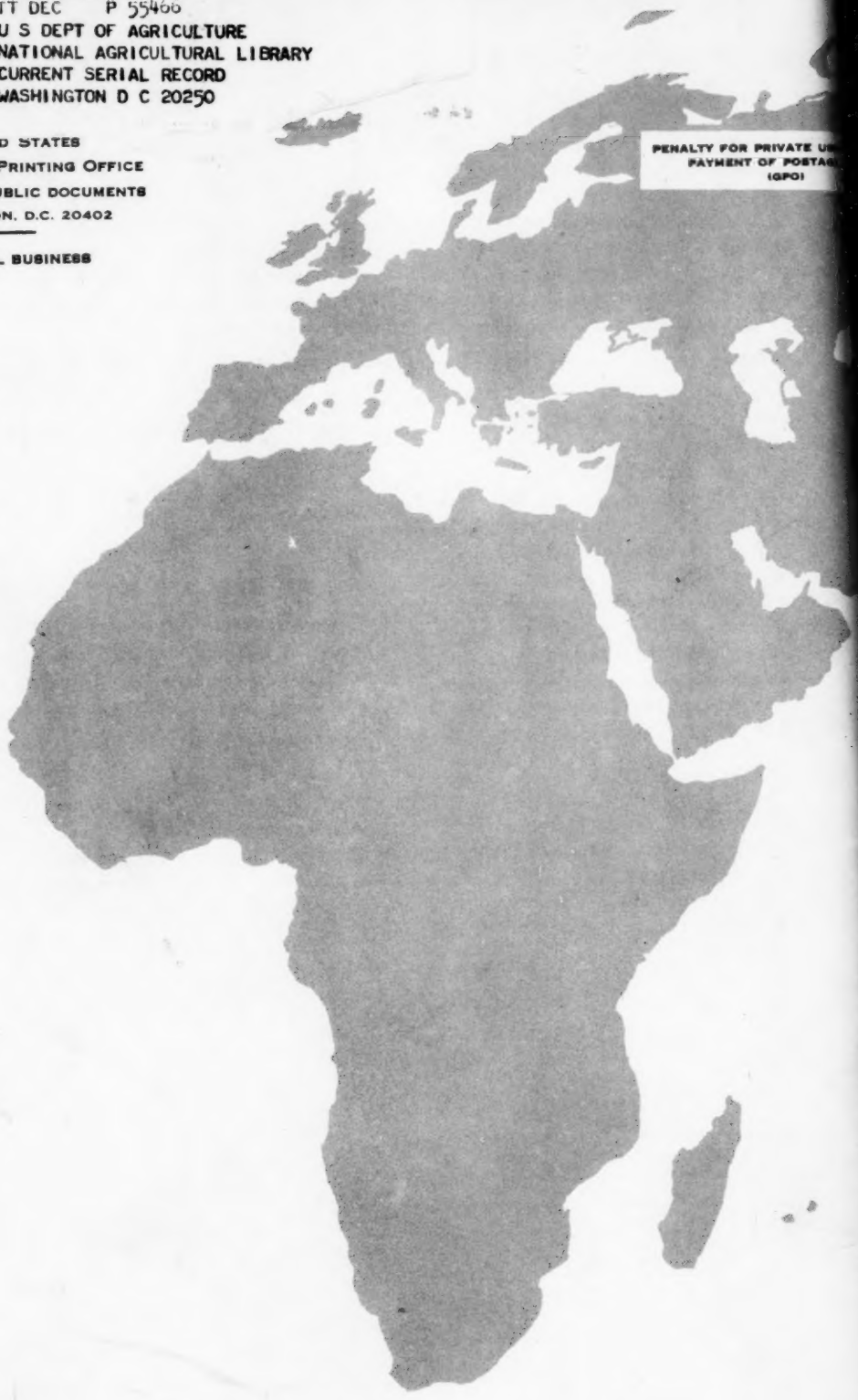

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